

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-8. (Canceled).

9. (New) A mobile network control apparatus that maintains a connection constructed between a mobile network and a global network and that has a plurality of interfaces, the mobile network control apparatus comprising:

a failure detection section that detects a failure of packet tunneling executed using a first interface of the plurality of interfaces, the first interface having a connection route to the global network;

a search section that searches for a second interface from the plurality of interfaces when the failure is detected;

an execution section that executes packet tunneling using the second interface instead of the first interface; and

a multi-homing detection section that detects whether or not the mobile network control apparatus is multi-homed, wherein:

when the mobile network control apparatus is not multi-homed, the search section searches for an alternative apparatus having the connection route to the global network and belonging to the mobile network, and determines an ingress interface of the plurality of interfaces

as the second interface, the ingress interface having a connection route to the alternative apparatus, and

when the mobile network control apparatus is multi-homed, the search section searches for an alternative egress interface having the connection route to the global network from the plurality of interfaces, and determines the alternative egress interface as the second interface.

10. (New) The mobile network control apparatus according to claim 9, wherein:

the search section comprises a registration section that registers a binding between an address of the ingress interface and an address of the mobile network control apparatus, and the search section searches for another alternative apparatus when the registration section fails to register the binding.

11. (New) The mobile network control apparatus according to claim 10, wherein when a current address of the ingress interface is not a global address, the registration section acquires a global address from the alternative apparatus and registers a binding between the acquired global address and the address of the mobile network control apparatus.

12. (New) The mobile network control apparatus according to claim 11, wherein the search section searches for another alternative apparatus when the registration section fails to acquire the global address.

13. (New) The mobile network control apparatus according to claim 9, wherein when there is not the alternative egress interface as a result of searching for the alternative egress interface from the plurality of interfaces, the search section searches for the alternative apparatus, and determines the ingress interface of the plurality of interfaces as the second interface, the ingress interface having the connection route to the searched alternative apparatus.

14. (New) The mobile network control apparatus according to claim 9, wherein:

the search section comprises a registration section that registers a binding between an address of the alternative egress interface and an address of the mobile network control apparatus, and

the search section searches for another alternative egress interface when the registration section fails to register the binding.

15. (New) A mobile network control method in a mobile network control apparatus that maintains a connection constructed between a mobile network and a global network and that has a plurality of interfaces, the method comprising:

a failure detection step of detecting a failure of packet tunneling executed using a first interface of the plurality of interfaces, the first interface having a connection route to the global network;

a search step of searching for a second interface from the plurality of interfaces when the failure is detected;

an execution step of executing packet tunneling using the second interface instead of the first interface; and

a multi-homing detection step of detecting whether or not the mobile network control apparatus is multi-homed, wherein:

when the mobile network control apparatus is not multi-homed, in the search step, an alternative apparatus having the connection route to the global network and belonging to the mobile network is searched for, and an ingress interface of the plurality of interfaces is determined as the second interface, the ingress interface having a connection route to the alternative apparatus, and

when the mobile network control apparatus is multi-homed, in the search step, an alternative egress interface having the connection route to the global network is searched for from the plurality of interfaces, and the alternative egress interface is determined as the second interface.